

1           10.    The tissue acquisition device in accordance with Claim 1, wherein said  
2   inner cannula main lumen defines a longitudinal center axis which is offset from said  
3   inner cannula longitudinal axis.

1           11.    The tissue acquisition device in accordance with Claim 1, wherein said  
2   inner cannula cutout sidewalls are separated by an angle  $\alpha$  taken from said inner  
3   cannula longitudinal axis, and said outer cannula cutout sidewalls are separated by an  
4   angle  $\beta$  taken from said outer cannula longitudinal axis, and wherein  $\alpha$  and  $\beta$  are  
5   substantially the same.

1           12.    The tissue acquisition device in accordance with Claim 1, wherein said  
2   cutting loop includes a generally circular portion and an end, said end being curved  
3   around a point outside said cutting loop.

1           13.    The tissue acquisition device in accordance with Claim 1, wherein said  
2   cutting loop includes two substantially linear portions and a curved middle portion  
3   between said two substantially linear portions.

1           14.    The tissue acquisition device in accordance with Claim 1, wherein said  
2   inner cannula includes a screen proximal of said inner cannula cutout which  
3   communicates said inner cannula main lumen with the exterior of said inner cannula,  
4   said outer cannula includes a screen proximal of said outer cannula cutout which

5 communicates said outer cannula main lumen with the exterior of said outer cannula,  
6 and said inner cannula screen is positioned at the same longitudinal and radial  
7 position as said outer cannula screen.

1 15. The tissue acquisition device in accordance with Claim 14, further  
2 comprising a recess in said inner cannula sidewall, said inner cannula screen formed  
3 in said recess, and including an aspiration regulator movable in said recess from an  
4 extended position covering a portion of said inner cannula screen and a retracted  
5 position covering no portion of said inner cannula screen.

1 16. The tissue acquisition device in accordance with Claim 15, wherein  
2 said aspiration regulator comprises a plate which fits in said inner cannula recess  
3 without interfering with rotation of said outer cannula relative to said inner cannula,  
4 and an actuator extending proximally from said plate.

1 17. The tissue acquisition device in accordance with Claim 1, wherein said  
2 outer cannula comprises an electrically conductive material on a portion of the  
3 exterior of said outer cannula, and said outer cannula is a return electrode for said  
4 cutting loop.

1 18. The tissue acquisition device in accordance with Claim 1, wherein said  
2 inner cannula main lumen comprises a lubricious coating thereon.

1           19.     The tissue acquisition device in accordance with Claim 1, wherein said  
2     passageway comprises a small lumen formed in said inner cannula sidewall.

1           20.     The tissue acquisition device in accordance with Claim 1, wherein said  
2     passageway comprises a channel in an exterior surface of said inner cannula sidewall.

1           21.     The tissue acquisition device in accordance with Claim 1, wherein said  
2     passageway comprises a small lumen formed in said outer cannula sidewall.

1           22.     The tissue acquisition device in accordance with Claim 1, wherein said  
2     passageway comprises a channel in an internal surface of said outer cannula sidewall.

1           23.     The tissue acquisition device in accordance with Claim 1, wherein said  
2     passageway comprises channels in both an exterior surface of said inner cannula  
3     sidewall and an internal surface of said outer cannula sidewall.

1           24.     A system for sampling tissue from a patient, comprising:  
2                   a RF energy generator capable of generating RF energy; and  
3                   an tissue acquisition device in accordance with Claim 1, said cutting  
4     wire of said tissue acquisition device in electrical communication with said RF energy  
5     generator.